

**MEMORANDUM OF COOPERATION  
BETWEEN THE DEPARTMENT OF ENERGY OF UNITED STATES OF AMERICA  
AND THE  
MINISTRY OF THE RUSSIAN FEDERATION ON ATOMIC ENERGY  
IN THE FIELDS  
OF ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT**

The U.S. Department of Energy, as the representative for the Government of the United States of America, and the Ministry of the Russian Federation on Atomic Energy, as the representative for the Government of the Russian Federation, hereinafter referred to as the "Parties," desiring to establish close and long-range cooperation in the field of environmental restoration and waste management.

Noting that fruitful cooperation on environmental restoration and waste management can enhance the environmental quality and energy interest of the United States of America and the Russian Federation; and in accordance with Article 2, Paragraph 3 of the Agreement between the United States of America and the Union of Soviet Socialist Republics on Scientific and Technical cooperation in the Field of Peaceful Uses of Atomic Energy signed on June 1, 1990, [hereinafter referred to as "the Agreement"].

Have agreed as follows;

**Article I**

The purpose of this Memorandum is to establish an arrangement for cooperation in the field of environmental restoration and waste management in furtherance of the Agreement in order to increase environmental quality resulting from past practices associated with nuclear power production to meet the energy requirements of both parties to this memorandum.

Cooperation under this memorandum shall be carried out subject to the terms of the Agreement and the laws and regulations of the Parties as further agreed below on the basis of mutual benefit, equality and full reciprocity between the Parties.

**Article II**

The areas of cooperation under this memorandum may include the following:

1. Development of policy and practices regarding environmental restoration and waste management associated with past and current nuclear fuel cycle operations.
2. Evaluation of problems of process design, development and operations related to environmental remediation, decontamination and decommissioning of facilities and materials contaminated by radioactive and other hazardous waste.
3. Conduct of research and development directed at improving the effectiveness, economics, safety

and public acceptability of methods of handling, storing and permanently disposing of radioactive and associated hazardous waste.

4. Conduct of analyses and investigations related to waste partitioning to facilitate long-term disposal.
5. Conduct of analyses and investigations related to geologic disposal of wastes.

Where appropriate, implementation of the cooperation will be accomplished through the exchange of information, and the use of teams consisting of scientists from industry, research laboratories and academic institutions and students to facilitate long-term program continuity.

### Article III

1. In order to implement this Memorandum, there shall be established a joint Coordinating Committee for Environmental Restoration and Waste Management (JCCEM).
2. The JCCEM shall consist of equal numbers of representatives from each Party. All decisions taken by the JCCEM shall be by mutual agreement of the Parties.
3. The JCCEM shall coordinate and review all aspects of this Memorandum and shall take such action as is appropriate for its effective implementation.
4. The JCCEM shall present its proposed programs, including applicable implementing annexes to the Memorandum, together with any recommendations for amendments if needed to add such programs to the Memorandum, for review and approval by the U.S.-Russian Joint Committee on Cooperation in the Peaceful Uses of Atomic Energy, established under the Agreement.
5. The JCCEM may organize, establish and arrange working groups, student exchanges, conferences and seminars of specialists for joint discussion and study of specific topics related to environmental restoration and waste management and may also review and comment on the reports of such working groups, conferences and seminars. Specific projects and programs for environmental restoration and waste management cooperation, exchanges of scientific and technical information, personnel, students and equipment, and procedures for addressing and resolving question of such matters as payment of costs under this cooperation for joint activities administered under the Memorandum, may be developed separately by the JCCEM.
6. The JCCEM may assist in arranging transactions between or among organizations within or outside this arrangement for services contracted on a commercial basis.
7. With the agreement of the sides and according to the recommendations of the U.S.-Russian Federation Joint Committee on Cooperation in the Peaceful Uses of Atomic Energy, the JCCEM

may make changes or additions to the cooperation outlined in this Memorandum, consistent with article 2.

8. The JCCEM shall decide on its membership and meeting schedule. Generally, it will be convened once a year, alternately in the United States and the Russian Federation, unless agreed otherwise. Time and places for meetings will be agreed upon in advance.

#### Article IV

This cooperation will be conducted according to the plans and programs of the Parties and their laboratories, institutes, and contractors. Other organizations may participate in the cooperation with the agreement of the Parties.

#### Article V

1. Cooperation under this memorandum will be conducted subject to the respective international obligations, national laws and regulations of the Parties, and within the limits of available funds, on the basis of the fullest possible reciprocity in terms of equal access to facilities, information and personnel on both sides.
2. Any questions of interpretation and implementation relating to this Memorandum that arise will be decided by agreement of the Parties.

#### Article VI

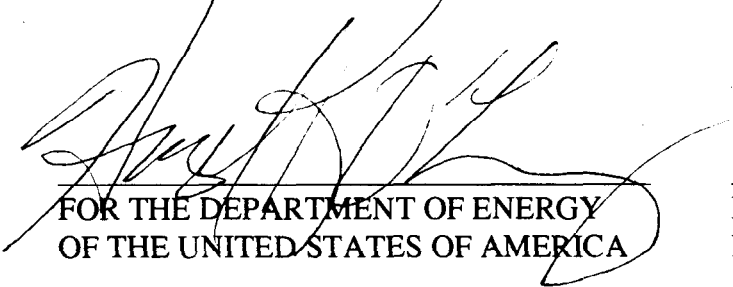
Provisions for the protection and allocation of intellectual property set forth in Annex A to the Agreement, are incorporated in their entirety as an integral part of this Memorandum and apply to all activities carried out hereunder.

#### Article VII

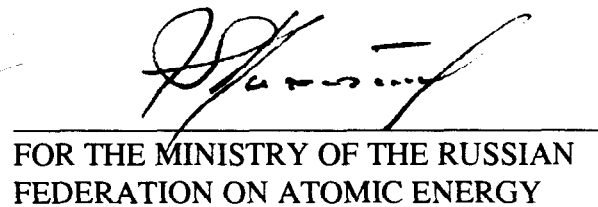
1. This Memorandum will enter into force upon signature, will remain in force for five (5) years, and is subject to extension of additional five (5) year terms by written agreement of the Parties following joint review of the results of its implementation at the end of each five-year period.
2. All joint projects and experiments being conducted when the effective period of this Memorandum ends will, if agreed, be continued to their conclusion in accordance with the terms of this Memorandum.

3. Either Party has the right to withdraw from this Memorandum of Cooperation on six (6) months' written notice.
4. All joint projects and experiments being conducted pursuant to the Memorandum of Cooperation on Environmental Restoration and Waste Management, signed September 18, 1990 shall be continued hereunder.

DONE, in duplicate, at Vienna, this sixteenth day of September, 1996, in the English and Russian languages, both texts being equally authentic.



FOR THE DEPARTMENT OF ENERGY  
OF THE UNITED STATES OF AMERICA



FOR THE MINISTRY OF THE RUSSIAN  
FEDERATION ON ATOMIC ENERGY